

# **ReadingPen®TS**

## **Oxford**

### **User Manual**



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# Introduction

Congratulations on your choice of a state-of-the-art scanning Pen from WizCom Technologies. WizCom makes personal, portable scanning Pens that assist with reading, understanding and utilising text.

Inside the tip of the Pen is a sophisticated electronic eye. This eye enables you to scan different types of printed information directly into your Pen. Use the Pen to scan full lines of text, receive word-by-word definitions, and hear scanned words pronounced aloud.

The Pen comes with a touch screen and stylus, allowing easy manipulation of the Pen user interface and quick editing of scanned texts with the Virtual Keyboard.

Use this guide to find out about setting up and using your WizCom product.

## Contact and Support Information

Contact us at 888 777 0552 (toll free in USA and Canada) or +1 978 727 0026, or email [usa.support@wizcomtech.com](mailto:usa.support@wizcomtech.com).

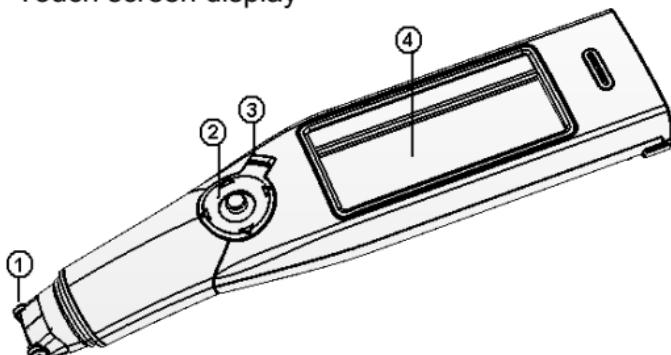
Visit our website <http://www.wizcomtech.com> to **view the FAQ section** and to **register your product**.

# Getting Started

## The Pen Parts

On the **Front Panel** you can see:

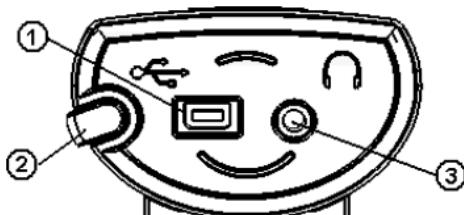
1. Pen tip with optical scanning head (beneath the protective cover)
2. 5-way button (Enter and direction keys)
3. Power/Escape key (red)
4. Touch screen display



Pen Front Panel

On the **Top Panel** you can see:

1. USB cable outlet
2. Stylus and stylus slot
3. Insertion point for earphones

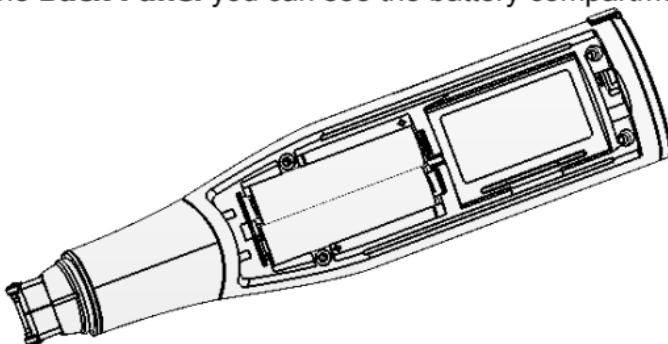


Pen Top Panel

*Important: Before using the earphones, adjust the volume using the **Voice Settings** option in the **Preferences** menu.*

*The **Preferences** menu can be accessed from the **Pen Main Menu** or from within the **Settings** menu in each application.*

On the **Back Panel** you can see the battery compartment.



Pen Back Panel

## Unpacking the Pen

To get started:

1. Remove the Pen from the protective case.
2. Lift the battery cover on the back of the Pen by pushing the tab down and out.
3. Insert the batteries into the Pen with the positive and negative terminals corresponding to the markings on the sides of the battery compartment.
4. Close the battery compartment.
5. Remove the protective cover from the Pen tip.
6. Turn the Pen on by pressing the red power key.

The Pen is ready to scan!

*Note: Make sure that your Pen always contains batteries, even when connected to the PC.*

## Installing the PenExplorer

Use the PenExplorer to download files to your Pen and to extract the list of recently viewed words from the Pen.

*Important: Do not connect the USB cable to the PC before installing the PenExplorer.*

To install the **PenExplorer** do the following:

1. Insert the CD-ROM that was supplied with the Pen. The CD-ROM Main Menu appears on the PC screen.
2. Click on the **PenExplorer Installation** and follow the instructions for installing the **PenExplorer** and the USB driver.

# Scanning Guidelines

## Scanning Mode

The Pen is in scanning mode when the red light at the tip of the Pen is blinking. If you scan text and the results are not accurate, simply scan again and the text on screen will be over-written with the new text.

Scanning mode is disabled when accessing a toolbar menu or when you are not in the **ReadingPen** application.

## Scanning Restrictions

The Pen scans and recognises printed text in a wide range of languages, font types and point sizes (6-22 points, up to 8mm) and in a variety of colours on contrasting backgrounds (except red on white, white on red, blue on black and black on blue).

It does not recognise handwriting, cursive fonts, mathematical symbols or other profession-specific signs.

## Tips for Good Scanning

To ensure optimum scanning results:

- Hold the Pen at the correct scanning angle (90°)
- Place the scanning material on a flat surface.
- Use good quality scanning material. Note that poorly photocopied materials may provide bad results.
- Do not scan too fast.

## Troubleshooting Poor Character Recognition

Poor character recognition may occur for several reasons:

- Low quality scanning material.
- Scanning settings not set correctly (e.g. **Inverse**).
- Holding the Pen at the wrong scanning angle.
- Scanning too fast.

# Scanning Settings

Scanning settings can be modified via the **Settings** (⚙) menu in the Pen applications.

## Inverse

The Pen's default scanning setting allows you to scan dark text on a light background. To enable scanning of light text

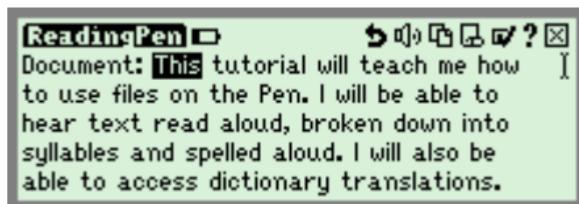
on a dark background, select the **Inverse** option in the **Settings** menu.

## Changing the Font Size

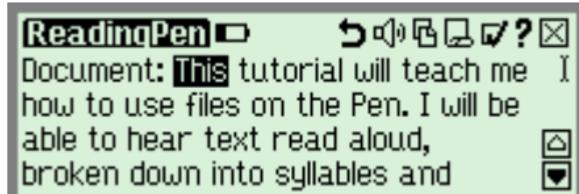
There are two font sizes to choose from – Regular and Enlarged. Changing the font size will mainly affect how text is seen in the **File Screen** and the **Dictionary Screen**.

Change the font size by selecting or de-selecting the **Enlarged Font** option in the **Settings** menu of the application.

*Note: The default application setting is **Enlarged Font**. The **Preferences** and **Information** menus are always in enlarged font.*



Regular Font



Enlarged Font

## Pen Maintenance

To keep your product in good condition, follow these guidelines:

- Store in protective case when not in use.
- Keep away from excessive moisture and temperature extremes.
- Clean using a soft, damp cloth.
- Do not use soap or other cleaning aids on the touch screen.
- Avoid exposing to direct sunlight for long periods.
- Avoid scratching or damaging the touch screen.

**CAUTION:** To reduce the risk of electrical shock or damage to the internal components, do not spray liquid directly on the screen or allow excess liquid to drip inside your Pen.

## The Pen Power Supply

The Pen comes with 2 AAA Alkaline batteries.

### Safety Points (Batteries)

- Always place 2 fresh batteries in the Pen. It is not advisable to use the Pen with batteries that are not at the same voltage level.
- Do not combine different types of batteries (e.g. rechargeable and non-rechargeable).
- Dispose of used batteries according to the manufacturer's instructions.

**CAUTION:** Risk of explosion if battery is replaced by an incorrect type. Use AAA Alkaline batteries only.

### Preserving Battery Usage

To optimise battery usage, go to **Set Auto Shut-Off Time** in **Preferences** in the **Pen Main Menu** and modify the settings according to your needs.

### External Power Supply (using the USB cable)

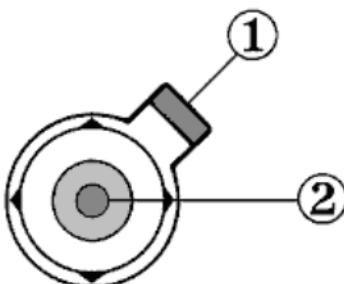
Connecting the Pen to the PC using the USB cable automatically activates the power supply from the PC. This has the following implications:

- The Pen uses the external power supply when connected to the PC, so batteries last longer.
- **Set Auto Shut-Off Time** in **Preferences** is disabled when the Pen is connected to the PC.

**CAUTION:** Unsaved information may be lost if the USB cable is disconnected while using without batteries. It is very important that the Pen always contains batteries, even when connected to the PC.

# The Pen User Interface

## The Pen Keys



### 1. Power/Escape Key (red key)

#### Power:

- Start up – Short press to turn the Pen on
- Shut down - Long press to turn the Pen off

*Note: To turn the Pen off, hold down the Power key until the progress bar reaches the end.*

#### Escape (ESC):

- Activate/deactivate toolbar
- Close submenus and pop-ups
- Stop reading/spelling aloud
- **Dictionary Screen:** Disable highlight mode

### 2. 5-way button

#### Enter key (ENT):

- Select highlighted option by pressing the key
- **Word Screen:** Hear word read aloud
- **Dictionary Screens:** Activate highlight mode

#### Direction keys:

Activate the direction keys (the joystick) by pushing the 5-way button in the desired direction

##### 1. Right key – Scroll right

- **Dictionary Screen:** Toggle dictionary views (complete/abridged forms)
- **Word Screen:** Spell word aloud

2. **Left key** – Scroll left
  - **Dictionary Screen**: Toggle dictionary views (complete/abridged forms)
  - **Word Screen**: Toggle syllable and regular view
3. **Up key** – Scroll up
4. **Down key** – Scroll down
  - Word Screen**: Access dictionary definition

## Icons and Indicators

The following table contains a list of icons and graphic indicators.

Icons can be selected by tapping on them with the stylus, or can be accessed with the 5-way button. Indicators cannot be selected. They represent the current state of the Pen.

The stylus can be found in the stylus slot on the top panel of the Pen. See *The Pen Parts* on p4.

| Graphic                       | Function  |
|-------------------------------|---|
| <b>Common Toolbar Icons</b>   |   |
|                               | <b>Settings</b> : Display the Settings menu options.  |
|                               | <b>Help</b> : Display the Help menu options.  |
|                               | <b>Pen Main Menu</b> : Exit application or menu item.   |
| <b>The ReadingPen Toolbar</b> |   |
|                               | <b>Lock</b> : Indicates that dictionary access is locked.   |
|                               | <b>Back</b> : Return to previous screen. From cross-reference: return to original dictionary entry.   |
|                               | <b>Read Aloud</b> : Hear text on screen read aloud.   |
|                               | <b>File Operations</b> : Open or delete files.  |
|                               | <b>Alternative Entries</b> : See a list of additional entries for the current word.                   |
|                               | <b>No Alternative Entries</b> : Indicates that there are no alternative entries for the current word. |
|                               | <b>History</b> : Open a list of recently viewed words.  |
|                               | <b>Edit</b> : Use the Virtual Keyboard to edit text.  |

| Graphic                                    | Function  |
|--|---|
| <b>ReadingPen Icons in the Word Screen</b> |   |
|  | <b>Down arrow:</b> Access dictionary definition.                                      |
|  | <b>Left arrow:</b> Divide word into syllables. Toggle syllable and regular view.      |
|  | <b>Right arrow:</b> Spell word aloud.   |
|  | Inactive arrows: The function is unavailable  |
| <b>The Games Toolbar</b>                   |   |
|  | <b>Move to Next Word:</b> Clear the current screen and move to the next mystery word. |
|  | <b>Show Score:</b> View the amount of correct answers for the selected game.          |
| <b>Dictionary Display – toggle options</b> |   |
|  | View dictionary entries in complete form.   |
|  | View dictionary entries in abridged form.   |
| <b>Scanning Settings Indicators</b>        |   |
|  | Indicates the Pen is ready to scan.   |
|  | Indicates the Pen is ready to scan inverse text (white text on dark background).      |
| <b>Settings Menu – toggle options</b>      |   |
|  | Indicates that the menu option is ON.   |
|  | Indicates that the menu option is OFF.  |
| <b>Scrollbars</b>                          |   |
|  | Scroll using the stylus.  |
|  | Inactive scrollbars indicate that there is no text to scroll through.                 |
| <b>Battery Indicators</b>                  |   |
|  | High  |
|  | Medium  |
|  | Low   |
|  | Empty   |
| <b>External Power Indicators</b>           |   |
|  | Indicates that the Pen is powered by the PC but the Pen contains batteries.           |
|  | Indicates that the Pen is powered by the PC and the Pen contains no batteries.        |

# Tutorials

## Tutorial 1: Learning to Scan (with the Trainer)

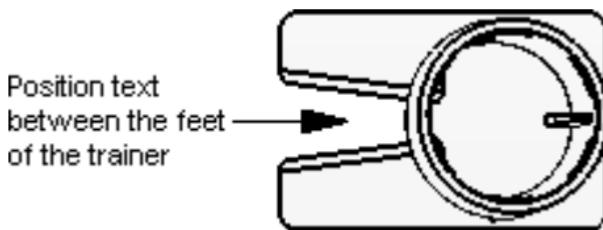
This tutorial will help you learn to scan using the Trainer supplied in the package.

1. Slide the Trainer onto the tip of the Pen (instead of the cap) and press into place.
2. Press the red Power key to turn the Pen on. Select the **ReadingPen** icon from the **Pen Main Menu** by tapping on it with the stylus or by using the direction keys. If you are using the Pen for the first time you will be asked to select a dictionary. Select the dictionary appropriate for your needs.
3. Position the Trainer at the end of the practice sentence with the Pen facing the text.
4. Position the Pen so that the text is centred between the feet of the Trainer.
5. Glide the Pen from right to left in a straight line over the text. Start scanning 1cm from the end of the sentence and finish 1cm after.

Use the following practice sentence:

This sentence will help me practice scanning.

*Note: The Pen default is set to right-handed scanning. To change the Pen display to left-handed scanning, use the **Set Right-/Left- Handed** option from **Preferences** in the **Pen Main Menu**.*



Positioning of Text for Scanning with Trainer

## Tutorial 2: Editing and Entering Text

Use the **Virtual Keyboard** to enter or edit text with the stylus. To access the **Virtual Keyboard** select from the application toolbar.



The Virtual Keyboard

### The Editing Area

This is the insertion point for new text, as indicated by the blinking cursor. Use the stylus to enter or edit text with the character keys, or scan text directly into the editing area.

Scanned text is underlined. Tapping any key other than or will accept the inserted text.

Text can be erased by:

1. Using to delete individual characters.
2. Highlighting the text with the stylus and selecting , or typing/scanning over the highlighted text.

### The Auto Complete Feature

The auto complete list provides potential endings to inserted characters. Tap on the top right box to open the pull down list in order to select the desired word. The selected word will appear in the edit area.



The Auto Complete List

*Note: The auto complete list only contains words from the selected dictionary.*

## The Keyboard

The keyboard layout corresponds to the selected scanning language settings.

### The Keys:

| Key         | Function   |
|-------------|--|
|             | <b><u>Backspace:</u></b><br>Tap to delete characters to the left of the cursor.  |
| or<br>ESC   | <b><u>Close and Cancel:</u></b><br>Tap to reject all changes and return to the application screen.   |
| or<br>Enter | <b><u>Close and Save:</u></b><br>Tap to accept all changes and return to the application screen.   |
|             | <b><u>Shift:</u></b><br>Tap to switch to uppercase characters. The keyboard will automatically return to the regular layout after selecting one character.<br>Use <b>Cap</b> to enter more than one uppercase character. |
|             | <b><u>Caps Lock:</u></b><br>Tap to view the uppercase character keyboard. Tap again to return to regular layout.   |
|             | <b><u>International:</u></b><br>Tap to switch to the international keyboard. The keyboard will automatically return to the regular layout after selecting one character.   |
|             | <b><u>Numeric:</u></b><br>Tap to view the numeric keyboard. Tap again to return to the regular layout.   |

## Tutorial 3: Learning a Word

Use this tutorial to learn how to access the **ReadingPen** features after scanning or entering a single word.

### 1. Access the Input Screen

- Press the red ESC key to turn the Pen on.
- From the **Pen Main Menu**, enter the **ReadingPen** application:
  - By pressing ENT when the icon is highlighted.
  - By tapping on the icon with the stylus.



The **Input Screen** will appear:



### 2. Scan or enter the word you wish to learn

You can either scan a word or enter it using the **Virtual Keyboard**.

- Scanning:

Scan the following word:

reading

- Entering the word using the **Virtual Keyboard**:

- Select from the toolbar to open the Virtual Keyboard.
- Use the stylus to enter the word "reading".
- Press ENT or tap on the key.

The **Word Screen** will appear and the word will be read aloud.



*Note: If you have not changed the default Pen settings you will hear the word read aloud. Press ENT or tap on the icon to hear it read aloud again.*

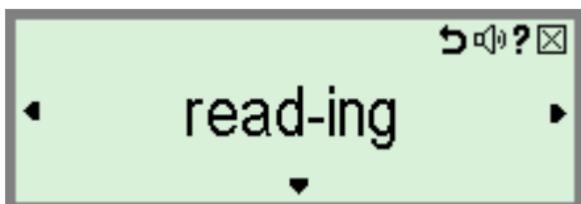
### 3. Hear the word spelled out

Use the right direction key or tap on the ► icon to hear the word spelled out. Each letter will be highlighted as it is spoken.



### 4. View the syllabic division of the word

Use the left direction key or tap on the ◀ icon to see the syllabic division of the word.



#### Syllable breaks in the Word Screen

Use the same keys to toggle between the syllabic and regular word views.

## 5. View the English definition of the word

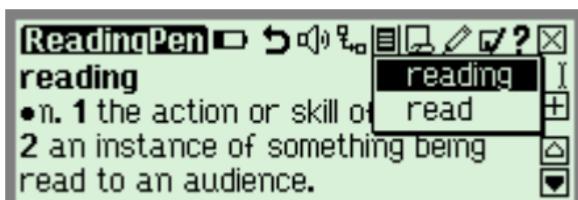
- Use the down direction key or tap on the icon to view the English dictionary definition of the word in the **Dictionary Screen**.



- Use the up/down direction keys to scroll through the dictionary definitions.
- Use the right/left direction keys to switch between complete and abridged dictionary entries.
  - When the icon is seen on the screen: Use the right direction key or tap on the icon to view the complete dictionary entry.
  - When the icon is seen on the screen: Use the left direction key or tap on the icon to view the abridged dictionary entry.

## 6. View alternative entries

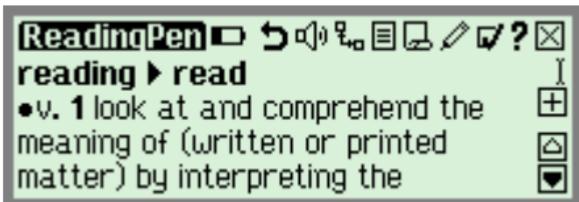
- Tap on the icon to see the list of alternative entries available for the word "reading".



- Select the word "read".

*Note: If there are no alternative entries, the icon will appear.*

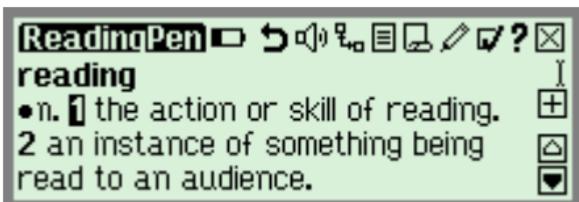
- The **Definition Screen** will appear showing the dictionary entry for the word "read".



- d. Tap on the icon to return to the **Word Screen**. The original word, "reading" will appear on screen.

## 7. Activate highlight mode

- a. Tap on the icon to reach the **Dictionary Screen**.
- b. Press the ENT key to activate highlight mode. The first word or number of the first will be highlighted.

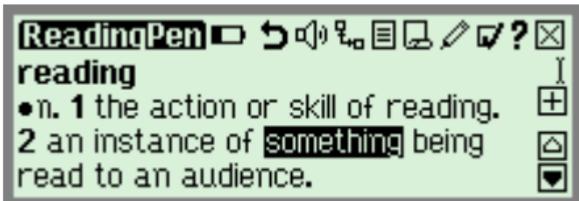


## 8. Hear the sections read aloud

- a. Tap on the icon to hear the whole section read aloud, word by word. Each word will be highlighted as it is spoken. At the end of the section, the highlight will move to the next section.
- b. Tap on the icon to hear the next section read aloud.

## 9. Cross-reference a word from the definition

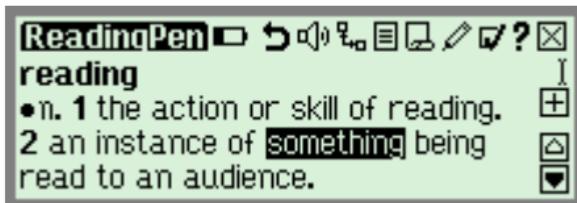
- a. Tap on the word "something" with the stylus, or use the direction keys to scroll through the words of the entry until the word "something" is highlighted.



- b. Press ENT.
- c. The **Word Screen** will appear showing the cross-referenced word.



- d. View the syllable breaks and hear the word spelled aloud as explained in points 3 and 4.
- e. View the dictionary definition as explained in point 5.
- f. Tap on the **↶** icon to return to the original word you cross-referenced from. The word “something” will be highlighted on screen.



*Note: When viewing a cross-referenced word, the **↶** icon will take you back to the original word you cross-referenced from, in this case “reading”. It will not take you back to the “practice” **Word Screen**. Select the word “practice” from the **History** list ( for full functionality.*

## Tutorial 4: Learning a Line of Text

Use this tutorial to learn how to access the **ReadingPen** features after scanning or entering a line of text. Most of the features are the same as those described in tutorial 3.

### 1. Access the Input Screen

- a. Press the red ESC key to turn the Pen on.
- b. From the **Pen Main Menu**, enter the **ReadingPen** application:
  - By pressing ENT when the icon is highlighted.
  - By tapping on the icon with the stylus.



The **Input Screen** appears:

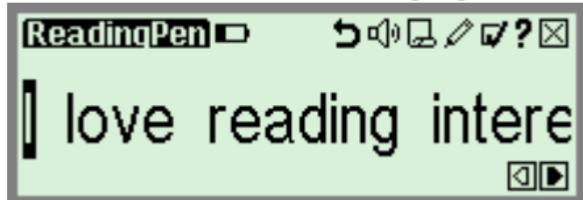


### 2. Scan the sentence you wish to learn

- a. Scan the following sentence:

I love reading interesting stories.

- b. The **Text Screen** will appear and the sentence will be read aloud. Each word is highlighted as it is read:



*Note: If you have not changed the default Pen settings you will hear the sentence read aloud. Tap on the  icon to hear it read aloud again.*

### 3. Hear each word read aloud

Use the left/right direction keys to scroll through the sentence on screen or tap on the word you wish to hear read aloud. Each word is highlighted as it is spoken.

### 4. View a word in the Word Screen

- Highlight the word “stories” by either tapping on it with the stylus or by scrolling to the word using the left/right direction keys.
- Press ENT.
- The **Word Screen** will appear:



*Note: The word on screen will not be read aloud. If you wish to hear the word read aloud, press ENT or tap on the  icon.*

- Tap on the  icon to return to the **Text Screen**.

### 5. Using the Word Screen

- Highlight the word “reading” by either tapping on it with the stylus or by scrolling to the word using the left/right direction keys.
- Press ENT.
- The **Word Screen** will appear. See steps 3 – 11 in tutorial 3 to learn about the **Word Screen** functions.
- From the **Word Screen**, tapping on the  icon will return you to the **Text Screen** with the previously scanned line on screen.

## Tutorial 5: Using Files

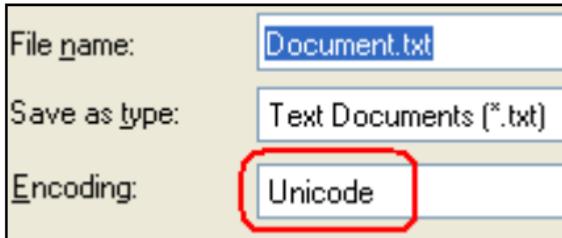
Use this tutorial to learn how to access the **ReadingPen** features after downloading a file to the Pen.

### 1. Creating a File in Notepad

- On your PC go to **Start\Programs\Accessories** and select the **Notepad** application.
- A **Notepad** window will open on screen.
- Type the following text into the **Notepad** window:

This tutorial will teach me how to use files on the Pen. I will be able to hear text read aloud, broken down into syllables and spelled aloud. I will also be able to access dictionary definitions.

- Go to **File\Save As**. Save the file to your Desktop with the file name **Document.txt**.
- Make sure file type is **Text Documents (\*.txt)**.
- Change the encoding to **Unicode**.



*Note: File names must be in English and should not contain more than 8 characters.*

### 2. Downloading the file to the Pen using the PenExplorer

You should have already installed the **PenExplorer** when you set up your Pen. See **Installing the PenExplorer** on page 5.

- Connect your Pen to the PC with the USB cable. Make sure your computer is turned on.

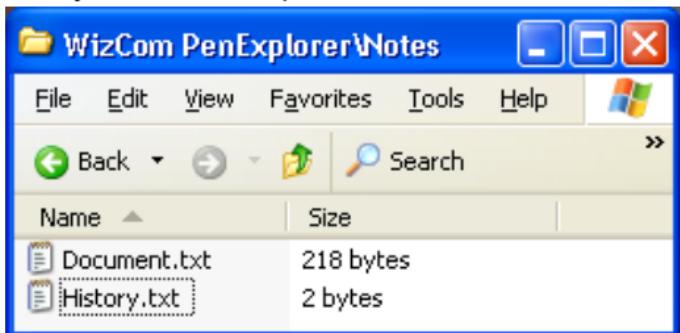
- b. From the **Pen Main Menu**, select **Connect to PC**:
- By pressing ENT when the icon is highlighted.
  - By tapping on the icon with the stylus.



- c. The **WizCom PenExplorer** window will open and the icon will be seen in the notification area of the windows taskbar.



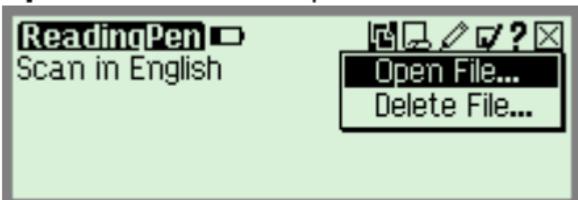
- d. Double-click on the **Notes** folder to open it.  
 e. Copy the “**Document.txt**” file you created in step 1 from your PC Desktop to the **Notes** folder.



- f. Press the red ESC key on the Pen to exit the **PenExplorer** and return to the **Pen Main Menu**. The **PenExplorer** window will close on the PC.

### 3. Working with Files on the Pen

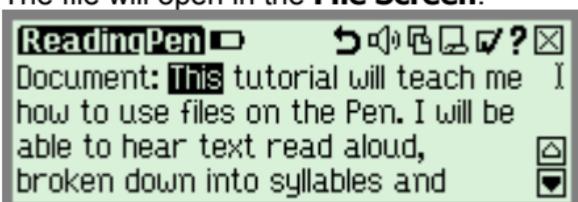
- From the **Pen Main Menu**, enter the **ReadingPen** application.
- Tap on the  (**File Operations**) icon and select **Open File** from the drop-down menu.



- The file list will open on screen.



- Select the file “**Document**” by either pressing ENT or tapping on the file name with the stylus.
- The file will open in the **File Screen**.



- Tap on the  icon with the stylus. The paragraph will be read aloud, with each word highlighted as it is read.

### 4. Viewing a sentence from the file

- Use the up direction key to scroll up to the beginning of the paragraph.
- Press ENT when the word “This” is highlighted.
- The sentence beginning with the word “This” will be transferred to the **Text Screen**. The sentence will be read aloud, with each word highlighted as it is read.



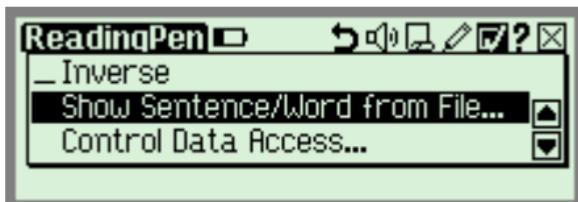
- d. Scroll to the word “tutorial” and press ENT.



- e. The **Word Screen** will appear. See steps 3 – 11 in tutorial 3 to learn about the **Word Screen** functions.  
 g. From the **Word Screen**, tap on the **↶** icon to return to the **Text Screen**.  
 h. The sentence from the file will re-appear in the **Text Screen**. Tap on the **↶** icon to return to the **File Screen**.

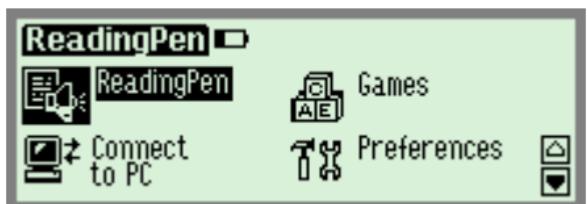
## 5. Viewing a single word from the file

- a. Tap on the **☒ (Settings)** icon and select **Show Sentence/Word from File** from the drop-down menu.



- b. Select **Word** from the options on screen.  
 c. In the file, select the word “syllables” by either scrolling to the word with the direction keys or tapping on it with the stylus.  
 d. Press ENT. The word will appear in the **Word Screen** and will be read aloud.  
 e. Tap on the **↶** icon to return to the **Text Screen** and then to the **File Screen**.

## The Pen Main Menu



To access the **Pen Main Menu**, exit the application you are currently using by selecting  from the application toolbar.

The following items appear in the **Pen Main Menu**:

- **ReadingPen** (see page 26)
  - **Games** (see page 42)
  - **Connect to PC**
  - **Preferences**
  - **Information**

## Connect to PC

Use this option to transfer files to your Pen and to retrieve a list of the last 80 viewed words from the **ReadingPen** application.

See the ***PenExplorer*** section on page 45 for more information.

## Preferences

Modify the general Pen settings using this menu which can be accessed from the **Pen Main Menu** or from the **Settings** (⚙) menu within each application.

When changing a setting, press ENT or select OK to save changes. To return to the **Preferences** menu without making changes, press ESC or .

## Voice Settings

Use this option to modify the volume, pitch and reading speed on the Pen. This will change the way text is read aloud in the **ReadingPen** application. Move the slider bar by dragging with the stylus or using the direction keys.

## **Set Auto Shut-Off Time**

If the Pen is on but is not being used, it will shut down automatically after two minutes. Use this option to change the default time setting. Settings range from 1min – 15min.

## **Set Right-/Left- Handed**

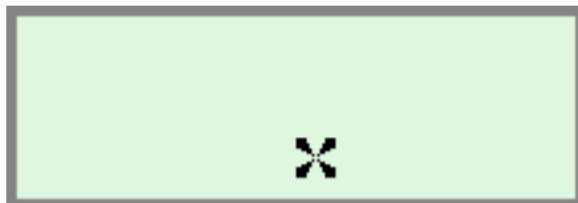
Use this option to switch between right and left-handed scanning. The Pen default is set to right-handed scanning.

## **Set Screen Contrast**

Use this option to adjust the brightness of the display. Move the slider bar by dragging with the stylus or using the direction keys.

## **Calibrate Touch Screen**

At times the stylus touch may become inaccurate. If so, the touch screen will need to be recalibrated. Select the option and follow the instructions to calibrate the screen.



Touch Screen Calibration

## **Information**

Use the **Information** menu to view the following information:

### **View Memory Status**

Use this option to see how much memory is available on the Pen for storing files.

### **Serial Number**

Use this option to view the Pen serial number.

### **About**

Use this option to view the Pen version and copyright information.

# The ReadingPen Application

## The Toolbar

The toolbar appears on the top right corner of the screen. It can be accessed using either the stylus or the Pen keys.



## Accessing the Toolbar

### 1. Using the Stylus

- Tap the icon to open the toolbar item.
- Within the menu option, tap with the stylus to select an option or scroll up/down using the scrollbar icons.
- To de-select the toolbar, simply tap in a space outside the menu or toolbar.

### 2. Using the Pen Keys

- Press ESC (the red key) to activate the toolbar. The leftmost active toolbar item will be highlighted.
- Use the right/left direction keys to scroll between the toolbar items. Press ENT to access the menu option.
- Scroll up/down within the menu using the up/down direction keys. Exit the menu by pressing Escape and then press Escape again to de-select the toolbar.

## Toolbar Options

### Back ↺

Return to the previous screen. If you have cross-reference a word from a dictionary entry, the **Back** icon will take you back to the original dictionary entry.

## **Read Aloud**

Hear text read aloud in all screens. Use the **Voice Settings** option in the **Preferences** menu to define speaker settings.

## **File Operations**

Use this menu to open or delete files downloaded to the Pen using the **PenExplorer**.

## **Alternative Entries**

View a list of alternative dictionary entries for the selected word. This menu item is inactivated if there are no alternative entries available for the selected word.

## **History**

View a list of the last 80 looked-up words. Select a word from the list to view it in the **Word Screen**. Upload the **History** list to your computer using the **PenExplorer**.

## **Edit**

Access the **Virtual Keyboard** to modify scanned text or to insert new text. See ***Editing and Entering Text*** on page 13 for information on using the **Virtual Keyboard**.

## **Settings**

The **Settings** menu contains the following options:

| Menu Option                   | Function   |
|-------------------------------|--|
| <b>Enlarged Font</b>          | Switch between regular and enlarged display font. The Pen's default setting is enlarged font.  |
| <b>Always Read Aloud</b>      | Change the speaker setting for reading text aloud. The Pen's default setting is <i>selected</i>  which means that text is read aloud immediately after it is scanned or selected. |
| <b>Highlight Spoken Words</b> | Modify the Pen's highlight setting. The Pen's default setting is <i>selected</i>  which means that each word is highlighted as it is read aloud.                                  |

| Menu Option                              | Function   |
|--|--|
| <b>Inverse</b>                           | The Pen is set to scan dark text on a light background. Select this option to scan inverse text (white text on dark background).   |
| <b>Speak Paragraph/Word...</b>           | Choose how text is read aloud when activating the speaker in a file or dictionary entry. If <b>Paragraph</b> to hear the entire section read aloud. Select <b>Word</b> to hear only the highlighted word read aloud.   |
| <b>Show Sentence/Word from File...</b>   | This setting defines what happens when extracting text from a file. If <b>Sentence</b> is selected, the sentence where the highlight is located will be extracted to the <b>Text Screen</b> . If <b>Word</b> is selected, the highlighted word will be extracted to the <b>Word Screen</b> . |
| <b>Select Dictionary (Definition)...</b> | Change the default dictionary for English definitions. Only available if there is more than one monolingual dictionary on the Pen.   |
| <b>Control Data Access...</b>            | Lock dictionary and/or file access. Use the same option to unlock access and for help with retrieving forgotten passwords. See <b><i>Locking Dictionary and File Access</i></b> on page 40.  |
| <b>Reset History</b>                     | Erase the <b>History</b> list of previously viewed words.  |
| <b>Preferences...</b>                    | Display the <b>Preferences</b> menu (from the <b>Pen Main Menu</b> ).  |

For further information see **Scanning Settings** on page 6.

## Help ?

The **Help** menu contains the following options:

| Menu Option                | Function  |
|----------------------------|---|
| <b>Pronunciation Guide</b> | A guide to the pronunciation of words using the phonetics alphabet and symbols. |
| <b>Abbreviations Guide</b> | A guide to the abbreviations used in some dictionaries.                         |
| <b>Icons...</b>            | An explanation of the icons and graphic indicators seen on the Pen screens.     |
| <b>Keys...</b>             | An explanation of the Pen keys and their functions.                             |

*Note: Only relevant icons and menu options will be available in each screen.*

## ReadingPen Screen Functions

The **ReadingPen** application has several different screens, each with different functions.

Text can be scanned into any screen when the red light at the tip of the Pen is blinking. Any text that has already been scanned will be over-written by the new text.

The last 80 words that you look up are saved into the **History** list which can be opened in any screen where the  icon appears in the toolbar. You can upload the **History** list to your computer using the **PenExplorer**. See *The PenExplorer* on page 45.

The **Help** (?) menu can be accessed from the toolbar in every screen. It contains an explanation of all the icons and indicators used in each application as well as an explanation of Pen key functions.

## Input Screen



The **Input Screen** appears when you first enter the **ReadingPen** application from the **Pen Main Menu**.

### Input Screen Functions

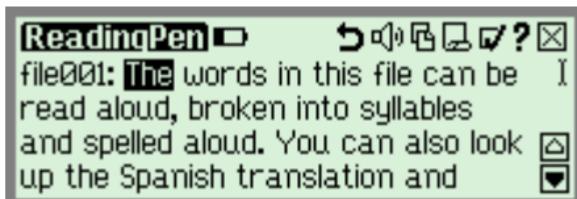
#### 1. Scan/enter text

Scan text into the **ReadingPen** application, or enter text using the **Virtual Keyboard** ().

#### 2. Open a file

Use the **File Operations** () menu to open a file for viewing in the **File Screen**. Files are downloaded to the Pen using the **PenExplorer**. See *The PenExplorer* on page 45.

## File Screen



The **File Screen** appears when opening a file using the **File Operations** (¶) menu. Scroll through the text using the up/down direction keys or by tapping on the scroll arrows at the bottom-right of the screen with the stylus. Select ↺ to return to the **Input Screen**.

### Downloading Files to the Pen

Download files to the Pen using the **PenExplorer**. See ***The PenExplorer*** on page 45.

### File Screen Functions

#### 1. Hear text read aloud

Tap on the ¶ icon to hear the entire paragraph read aloud. Each word is highlighted as it is read.

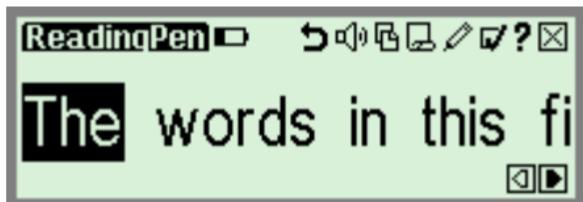
The default reading settings are **Highlight Spoken Words** and **Speak Paragraph**. Change these settings by de-selecting the options in the **Settings** (✓) menu. You can choose whether to read the entire paragraph or individual words, and whether words being read aloud are highlighted as they are read aloud.

#### 2. View text in Text Screen/Word Screen

Tap a highlighted word or press ENT to see the sentence in the **Text Screen**. From the **Text Screen** access the **Word Screen** by selecting the word you wish to view (press ENT or tap on highlighted word). If the sentence is very long, sections of up to 80 characters will be transferred at a time.

The default text transfer setting is **Show Sentence from File**. You can change this in the **Settings** (✓) menu which gives you the option of transferring individual word straight to the **Word Screen**.

## Text Screen



The **Text Screen** appears after scanning or entering more than one word, or when selecting a word from a file when the file setting is **Show Sentence from File**.

### Text Screen Functions

#### 1. Hear text read aloud

Tap on the icon to hear the entire sentence read aloud. Each word is highlighted as it is read. The default reading settings are **Always Read Aloud** and **Highlight Spoken Words**. Change these settings by de-selecting the options in the **Settings** () menu.

Scroll through the scanned text using the right/left direction keys or by tapping on the scrollbars at the bottom-right of the screen with the stylus.

#### 2. View word or phrase in Word Screen

Select a word from the **Text Screen** by tapping on the highlighted word with the stylus or pressing ENT. You will reach the **Word Screen**.

## Word Screen



The **Word Screen** appears after scanning/entering a single word, after scanning a line and selecting one word from the line or after selecting a word from a file, when the file setting is **Show Word from File**.

## Word Screen Functions

### 1. Hear the word read aloud

Tap on the icon or press ENT to hear the word read aloud.

### 2. Spell the word aloud

Tap on the icon or press the right direction key to hear the word spelled aloud. Press ESC to cancel.

### 3. View the syllabic division of the word

Tap on the icon or press the left direction key to view the syllabic division of the word.

If the word contains only one syllable, or if the scanned word is an inflected form that is not included in the dictionary, the inactive icon will be seen.

Use the icon or the left direction key to toggle syllable and regular view.

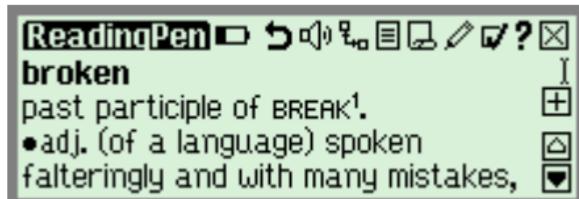
### 4. Define the word

Tap on the icon or press the down direction key to view the English definition of the word. The dictionary entry is displayed in the **Dictionary Screen**.

If dictionary access is locked, the icon will be seen.

Select or press the up direction key from the beginning of the definition to return to the **Word Screen**.

## Dictionary Screen



The **Dictionary Screen** appears when accessing the definition from the **Word Screen**. Access the definition by tapping on the icon or pressing the down direction key in the **Word Screen**.

## Dictionary Screen Functions

### 1. Hear the current word read aloud

Tap on the  icon to hear the word read aloud.

*Note: If highlight mode is activated (one of the words in the entry appears highlighted), press ESC to deactivate the highlight mode.*

### 2. Hear sections of text read aloud

This function is only available for dictionaries which contain voice support.

To hear sections of dictionary entries read aloud:

- a. Scroll to the section you wish to hear read aloud.
- b. Press ENT to activate highlight mode. The first word on the screen that can be spoken will be highlighted.
- c. Tap on the  icon to hear the section read aloud. Each word is highlighted as it is read aloud. Press ESC to abort the reading.
- d. When the section finishes reading the highlight will move to the next section. Tap on the  icon to hear the next section read aloud.
- e. Press ESC to de-activate highlight mode.

The default setting is **Highlight Spoken Words**.

Words on screen are highlighted as they are read, and the screen scrolls accordingly. If **Highlight Spoken Words** is de-selected, the words will not be highlighted as they are read, and the screen will not scroll.

### 3. Switch between complete and abridged dictionary views

The dictionary entries are available in two views: abridged and complete.

- The abridged view shows only the basic elements of the entry. This is the default view, indicated by the  icon on the right of the screen. Tap on the  icon to switch to complete view.
- The complete view contains additional text elements, such as phonetic symbols and word histories. The  icon on the right of the screen

indicates that the view is complete. Tap on the icon to switch to abridged view.

#### 4. View Alternative Entries

If the word you are accessing has more than one definition the icon will appear in the toolbar. If the current word has no alternative entries, the indicator will appear.



Tap on the icon to open the word list. Select the option you want to view and it will appear in the **Dictionary Screen**.

#### 5. Cross-reference from within the current entry

When viewing a definition, you can also look up words from within the current entry.

- Scroll to the word you wish to look up.
- Either tap on the word to highlight it or press ENT to activate highlight mode and use the direction keys to highlight the word you wish to look up.
- Tap on the highlighted word or press ENT. The highlighted word will appear in the **Word Screen**.
- In the **Word Screen**: Hear the word read aloud, spelled aloud and see the syllable division. Access the definition.
- Select to return to the original dictionary entry from the **Word Screen** or the **Dictionary Screen**.

*Note: You can cross-reference as many times as you wish from the **Dictionary Screen** (i.e. cross-reference from within a cross-reference,) but selecting will take you back to the original dictionary entry only.*

## Dictionary Entries

The dictionary entries contain various elements.

### 1. Headword

The selected word or derivative of the selected word.  
Includes headwords made up of more than one word.

The screenshot shows the ReadingPen application interface with the word 'hello' highlighted in a green box. Below the word are two definitions:

- exclam. 1 used as a greeting or to begin a telephone conversation.
- 2 Brit. used to express surprise or

Icons for copy, cut, paste, and search are visible at the top right.

The headword 'hello'

The screenshot shows the ReadingPen application interface with the compound headword 'cross-country' highlighted in a green box. Below the word are two definitions:

- adj. 1 across fields or countryside, as opposed to on roads or tracks
- 2 across a region or country, in

Icons for copy, cut, paste, and search are visible at the top right.

The compound headword 'cross-country' skiing'

### 2. Homonyms

Two or more words which are spelled the same but have different meanings.

The screenshot shows the ReadingPen application interface with the homonym 'desert' highlighted in a green box. A context menu is open over the word, showing three alternative entries:

- desert<sup>1</sup>
- desert<sup>2</sup>
- desert<sup>3</sup>

Icons for copy, cut, paste, and search are visible at the top right.

The Alternative Entries list for the homonym 'desert'

### 3. Phonetics

The phonetic transcription of the headword, seen when dictionary entries are viewed in complete form.

The screenshot shows the ReadingPen application interface with the entry 'desert' highlighted in a green box. The phonetic transcription '/dɪ'zɑ:t/' is displayed in a box next to the word. Below the word are two definitions:

- v. 1 callously or treacherously abandon.
- 1 leave (a place), causing it to

Icons for copy, cut, paste, and search are visible at the top right.

Phonetics of the entry 'desert'

For a guide to the phonetic symbols used in the dictionary, select **Pronunciation Guide** from the **Help** menu.

#### 4. Definitions

If the headword has more than one definition for a particular part of speech, each definition is numbered, with the most common definition appearing first.

Definitions of the verb form of the headword 'try'

#### 5. Parts of Speech

Categories of words that describe their specific grammatical function, e.g. nouns, verbs and adjectives. Some dictionary entries contain several parts of speech.

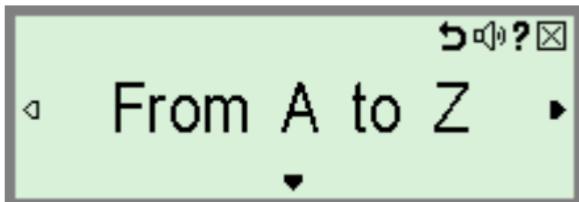
The different parts of speech of the word 'blame'

#### 6. Idioms and phrasal verbs

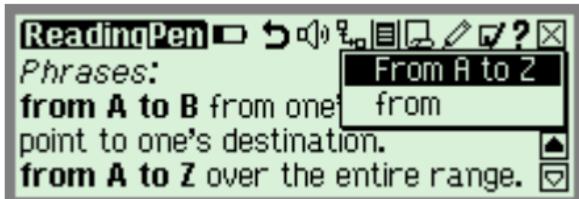
Expressions or phrases usually composed of a sequence of words. They can be identified:

- Automatically within a sentence (scanned/typed).
- By scrolling through the dictionary entry of the first word of the sequence.

When you scan or enter an idiom or phrasal verb, it will appear in the **Text Screen**. Highlight the first word of the sequence and tap on it with the stylus or press ENT. The entire sequence will appear in the **Word Screen**. This will only occur if the sequence has a corresponding dictionary entry.



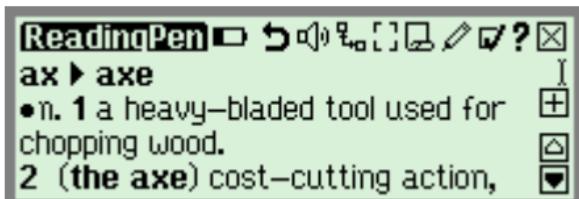
The idiom 'from A to Z' from the headword 'from'



The Alternative Entries list for 'from A to Z' includes the complete idiom and the first word of the idiom

## 7. Alternative Spelling of Headwords

If the headword can be spelled in more than one way, the alternative spelling is shown beside the headword.



Alternative spelling of the headword 'ax'

# Locking Dictionary and File Access

You can lock access to the Pen dictionaries and files using the **Control Data Access** option from the **Settings (W)** menu in the **ReadingPen** application.

## 1. Locking Access

To lock the dictionary and/or file access:

1. Select the  icon in the toolbar.
2. Select **Control Data Access** to open the menu.
3. There are three options to choose from. You can either lock the dictionary access, the file access or both. Choose the option you wish to use.

4. The password screen will appear. Use the stylus to enter a four-number password. Press ENT or tap on the key to save the password.
5. Write down your password.

If you have chosen one of the options that lock dictionary access, the indicator will appear in all relevant screens.

Locking dictionary access will also lock the dictionaries in the Games application. Definitions will not be available until the dictionary is unlocked.

## 2. **Unlocking Access**

To unlock the dictionary and/or file access:

1. Go to **Settings/Control Data Access** and select **Unlock Access**.
2. The password screen will appear. Use the stylus to enter your four-number password. Press ENT or tap on the key. This will unlock the Pen.

## 3. **Retrieve Lost Password**

If you have forgotten your password:

1. Go to **Settings/Control Data Access** and select **Retrieve Forgotten Password**.
2. A message will appear with the recovery code. Write the code down.
3. Go to the **Pen Main Menu** and open the **Information** menu.
4. Go to **Serial Number** and write down your Pen's serial number.
5. Send an email to [usa.support@wizcomtech.com](mailto:usa.support@wizcomtech.com). Include the recovery code and the serial number in the email. Support will use this information to send you your password.

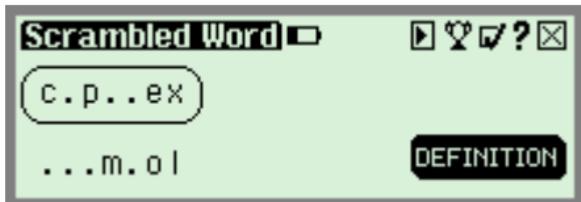
## Games

Select this option to access the **Games**. The games use words derived from the **ReadingPen History** list to help you practice words you have looked up.

If you don't have enough words in your **History** list, additional words will be added to the word list from the selected dictionary.

If you have locked dictionary access in the ReadingPen application, you will not be able to access the definitions of the words being played. Definitions will only be available when dictionary access is unlocked.

### Scrambled Word



Unscramble the word using the letters found underneath the answer box.

If you need help with guessing the word, use the **Definition** button to view the dictionary entry for the mystery word.

When you have filled in all the empty spaces, a **Check** box will appear. If you have finished unscrambling the word, tap the **Check** box with the stylus to see if you have the right answer.



Use the stylus to tap the letter you wish to move. The letter will appear highlighted. Tap on the place in the answer box

where you wish to place the letter. You can move letters into, around and out of the box as many times as you wish.

## Wordman



Guess the mystery word by tapping on letters from the keyboard with the stylus.

If you guess a correct letter, it will appear in the matching space in the answer section above the keyboard. Guessing a letter which does not appear in the word will cause a body part to be added to the **Wordman**. Eight incorrect guesses and you lose!

If you need help with guessing the word, use the **Definition** button to view the dictionary entry for the mystery word. Use the stylus or press ENT to access the **Definition** button. Any letters you have already used will appear highlighted on the keyboard.

## Toolbar Options

The following toolbar options are relevant for both **Wordman** and **Scrambled Word**. See **The Toolbar** on page 28 for information on accessing the toolbar with the stylus and Pen keys.

### **Move to Next Word** ►

Use this option to clear the current screen and move to the next mystery word.

### **Show Score** ♚

Use this option to see how many words you have guessed correctly. You can reset the score by selecting **Reset Score** from the **Settings** menu.

## Settings

The **Settings** menu contains the following options:

| Menu Option              | Function   |
|--------------------------|--|
| <b>Enlarged Font</b>     | Use this option to switch between regular and enlarged display font. The Pen's default setting is enlarged font.                                   |
| <b>Select Dictionary</b> | Choose the dictionary you wish to use with the game. Only appears if there is more than one dictionary n the Pen whose source language is English. |
| <b>Reset Score</b>       | Clear the score for the current game and start from zero.  |
| <b>Word Selection</b>    | Choose which word list you wish to use – either words from your <b>ReadingPen History</b> list or random words from the selected dictionary.       |
| <b>Preferences...</b>    | Display the <b>Preferences</b> menu (from the <b>Pen Main Menu</b> ).  |

## Help ?

The Help menu contains the following options:

| Menu Option        | Function  |
|--------------------|---|
| <b>How to Play</b> | View the playing instructions for the current game.                         |
| <b>Icons...</b>    | An explanation of the icons and graphic indicators seen on the Pen screens. |
| <b>Keys...</b>     | An explanation of the Pen keys and their functions.                         |

# The PenExplorer

The **PenExplorer** is the application your Pen uses to communicate with the PC. Use the PenExplorer for:

1. **History retrieval:** Upload the list of recently viewed words from the **ReadingPen** application to the PC.
2. **File management:** Copy files onto the Pen for use in the **ReadingPen** application.
3. **Compacting flash memory:** Compact the Pen flash card.

## Installing the PenExplorer and USB driver

Install the **PenExplorer** from the CD you received with the Pen. The installation also installs the USB driver needed for Pen- PC communications.

The **PenExplorer** installs to the **Program Files** folder on your computer. After installation, the **PenExplorer** process, **PenService.exe**, runs in the background in wait mode and only becomes active when Pen-PC Communications are established. It can be seen in the **Processes** tab of the **Windows Task Manager**.

## Opening the PenExplorer

To open the **PenExplorer**:

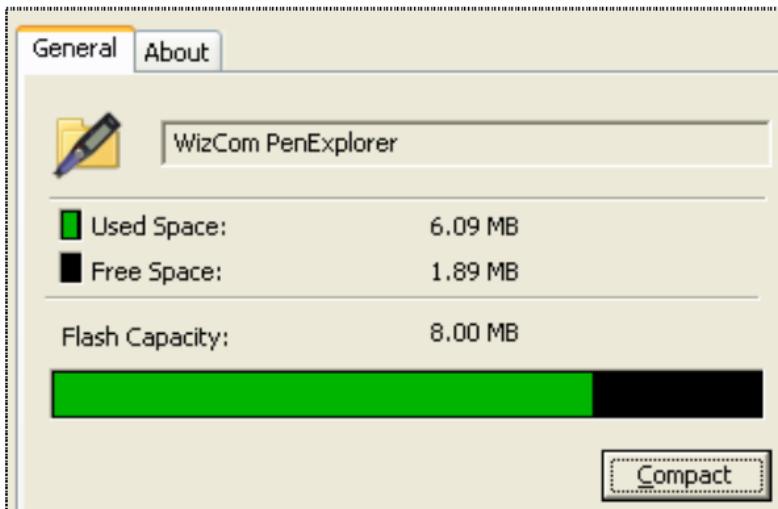
1. Turn the Pen on.
2. Connect the Pen to the PC using the USB cable.
3. Select **Connect to PC** from the **Pen Main Menu**.

The **PenExplorer** icon  will appear in the Windows taskbar and the **PenExplorer** window will open on screen.



## PenExplorer Properties Window

Right-click on a space in the main **PenExplorer** window and select **Properties** from the drop-down menu. This will open the **WizCom PenExplorer Properties** window.



The **PenExplorer Properties** window has two tabs:

1. **General:** Shows the Pen's memory status and gives you the option to compact the flash card memory.
2. **About:** Displays version and copyright information for the **PenExplorer**.

## Taskbar Icon and Menu

The **PenExplorer** icon  appears in the notification area of the Windows taskbar when Pen-PC communications is established (Pen and PC are connected with the USB cable and **Connect to PC** is activated on the Pen). Clicking on the icon opens the **PenExplorer** window.

Right-click on the taskbar icon to open the taskbar menu.

The taskbar menu has the following options:

1. **Open PenExplorer:** Opens the **PenExplorer** window.
2. **About:** Opens the **PenExplorer Properties** window in the **About** tab. Displays version and copyright information for the **PenExplorer**.

## The Notes Folder

The **Notes** folder contains all files copied to the Pen. It also contains the **History.txt** file which contains a list of the last 80 words looked up in the **ReadingPen** application on the Pen.

Double-click on the **Notes** folder in the **PenExplorer** window to open the folder. Double click on a file to open the file in **Notepad**.

## PenExplorer Functions

### History Retrieval

The **History.txt** file appears in the **Notes** folder after you have entered the **ReadingPen** application for the first time. The file cannot be deleted from the folder and is dynamic – it is updated immediately when new words are looked up.

Copy the **History.txt** file to your PC to save the current list of **History** words. Select the file with the mouse and copy it as you would copy files in standard windows folders.

## File Management

### 1. File Properties

You can only copy specific files to the Pen:

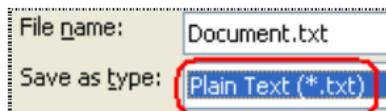
- a. Only files with a **\*.txt** extension (plain text files) can be transferred to the Pen.
- b. Files must be saved as **UNICODE**.
- c. Files cannot be longer than 9,000 characters. You can check this in **Microsoft Word** by checking the **Word Count**. Files that exceed the character limit will be cut off when transferred. The **PenExplorer** will request confirmation for file transfer if it identifies a file that exceeds the limit.
- d. File names must be in English and should be less than 8 characters long. File names that are longer than 8 characters or that contain non-ABC characters will be renamed when they are transferred to the **PenExplorer**.

## 2. Saving Files in the Correct Format

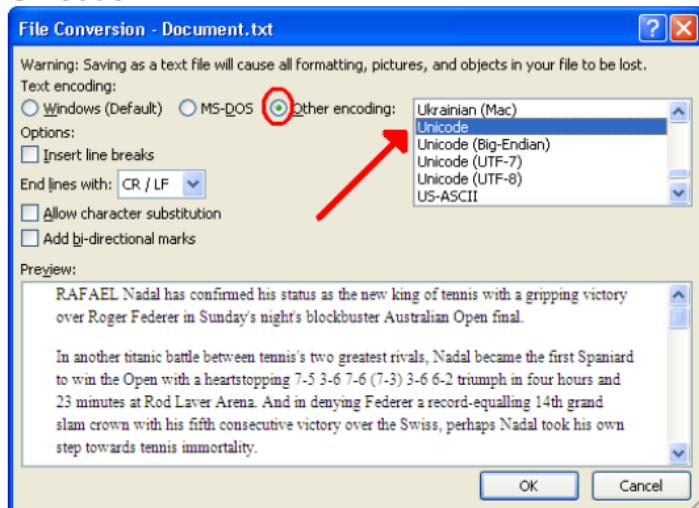
Files must be saved as plain text files and in UNICODE.

### From Word:

1. Go to **File\Save As**. Insert a file name.
2. Change the file type to **Plain Text (\*.txt)** and click the **Save** button.



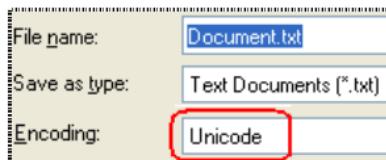
3. The **File Conversion** dialog box appears. Select **Other encoding**. Scroll through the list and select **Unicode**.



4. Click the **OK** button.

### From Notepad:

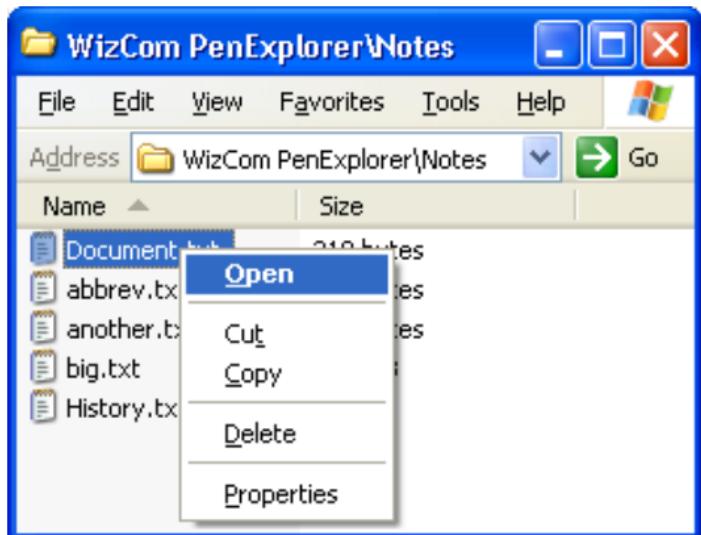
1. Go to **File\Save As**. Insert a file name.
2. Make sure file type is **Text Documents (\*.txt)**.
3. Change encoding to **Unicode** and click the **Save** button.



### 3. Copying Files to and from the Pen

The **PenExplorer/Notes** folder works like standard Windows folders. Copy files to and from the **Notes** folder using standard Windows functions, such as drag-and-drop, copy-paste and using the PC shortcut keys.

Click on a file in the **Notes** window to highlight it. Right-click to open the drop-down menu and select the function you wish to use.



### Compacting Flash Memory

The Pen's flash memory is used to store Pen files. The flash memory should be compacted manually every once in a while, especially after deleting many files from the Pen. This will speed up Pen performance for future file transfers.

To access the **Compact** function:

1. Right-click on a space in the main **PenExplorer** window and select **Properties** from the drop-down menu to reach the **General** tab.
2. Click on the **Compact** button to activate the compact function. If the memory requires compacting, the **Compacting** message will appear. Do not disconnect the Pen until the message disappears.

# Troubleshooting

This troubleshooter deals with some potential Pen-PC connectivity issues.

## Issues:

1. The Pen says that it is connected to the PC but the **PenExplorer** window hasn't opened on screen and I can't see the icon in the taskbar.
2. I receive the "**Error connecting to PC**" message on the Pen but I have followed all the tips and the **PenExplorer** should be working correctly.

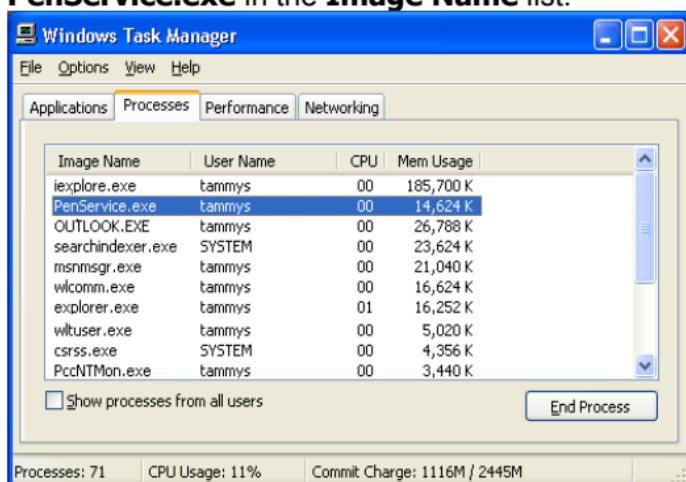
## Solutions:

Try the following options, in this order:

1. Disconnect the USB cable from the Pen. Restart the Pen, connect the USB cable and try to re-establish communications (select **Connect to PC** from the **Pen Main Menu**).
2. **On the Pen:** Disconnect the USB cable from the Pen and restart the Pen.

### On the PC:

- a. Press the **Ctrl-Alt-Delete** buttons at the same time to open the **Windows Task Manager**.
- b. Go to the **Processes** tab and highlight **PenService.exe** in the **Image Name** list.



- c. Click on the **End Process** button.
- d. Click **Yes** on the **Task Manager Warning** (XP) or **End Process** in the **Windows Task Manager** confirmation message (Vista).
- e. Go to **C:\Program Files** (or the equivalent in Vista) and open the **WizCom Technologies Ltd** folder. Open the **WizCom PenExplorer** folder and look for the **PenService.exe** file.
- f. Double-click on the **PenService.exe** file to reactivate the **PenExplorer**. If the **Windows Task Manager** is still open, you will see **PenService.exe** reappear in the **Image Name** list.

**On the Pen:** Connect the USB cable and try to re-establish communications (select **Connect to PC** from the **Pen Main Menu**).

### 3. Re-install the **PenExplorer**.

**On the Pen:** Disconnect the USB cable from the Pen and restart the Pen.

**On the PC:**

- a. Go to the Control Panel and select **Add or Remove Programs** (XP) or **Programs and Features** (Vista).
- b. Highlight the **WizCom PenExplorer** and click on **Change/Remove** (XP) or **Uninstall/Change** (Vista). The **WizCom PenExplorer – Installshield Wizard** will appear.
- c. Select **Remove** and uninstall the **PenExplorer**. Restart the computer if requested.
- d. Insert the CD that came with your Pen and follow the instructions to install the **PenExplorer**.
- e. Click **Finish** when the installation is complete.

**On the Pen:** Connect the USB cable and try to re-establish communications (select **Connect to PC** from the **Pen Main Menu**).

# Product Specification

## Pen Specification

| Feature   | Description  |
|---|--|
| Display Type  | Touch Screen Monochromatic FSTN<br>Resolution: 208 x 65<br>Size: 61mm x 20mm / 2.4" x .8"  |
| Keypad  | <ul style="list-style-type: none"> <li>▪ Navigation Switch (Enter, Up, Down, Left, Right)</li> <li>▪ Push Button - Power/ESC</li> </ul>    |
| CPU   | ARM7 ASIC, 16 bit, 80 MHz  |
| <b>Memory</b>   |  |
| <ul style="list-style-type: none"> <li>▪ SRAM</li> <li>▪ ROM/RAM</li> </ul> | 64 K x 16 bit<br>8 MB  |
| Optical Scanner   | <ul style="list-style-type: none"> <li>▪ 128 pixels linear array image sensor</li> <li>▪ 400 DPI resolution</li> </ul>                     |
| <b>Communications</b>   |  |
| IRDA, 115,200 bps   | Optional   |
| USB1.1  | Yes  |
| <b>Power</b>  |  |
| Internal Power  | 2 x 1.5V AAA Alkaline batteries  |
| External Power  | USB cable connected to PC  |
| Current Consumption   | <ul style="list-style-type: none"> <li>▪ Idle mode - 42 mA</li> <li>▪ Max. (Peak) - 212 mA</li> </ul>                                      |
| Size  | L x W x H:<br>177.5 mm x 41.5 mm x 33 mm<br>(7" x 1.62" x 1.3")  |
| Weight  | <ul style="list-style-type: none"> <li>▪ 77 grams (2.716 oz.) without batteries</li> <li>▪ 100 grams (3.527 oz.) with batteries</li> </ul> |
| Safety  | <ul style="list-style-type: none"> <li>▪ CE</li> <li>▪ UL</li> <li>▪ FCC class B</li> </ul>  |
| Operating Temperature Range   | 0°C - 40°C   |

## PC Specification

The **PenExplorer** is compatible with Windows XP and Vista. Installing the **PenExplorer** on a PC with an incompatible operating system may cause it to operate ineffectively.

The PC must have an available USB port.

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- (v) This limited warranty does not cover physical damage to the surface of the product, including breakage, cracks or scratches on the LCD screen or outside casing.
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PURCHASER will be charged for all PRODUCT repairs for damage or failure not covered by this limited warranty.

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